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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/503,966	02/14/2000	Pierre Chanteau	PHF 99-509	7346

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PHILIPS INTELLECTUAL PROPERTY & STANDARDS
P.O. BOX 3001
BRIARCLIFF MANOR, NY 10510

EXAMINER

TRINH, TAN H

ART UNIT	PAPER NUMBER
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2684

DATE MAILED: 04/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/503,966

Applicant(s)

CHANTEAU ET AL.

Examiner

TAN TRINH

Art Unit

2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 February 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,5-7 and 10-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1,2,5-7,10 and 11 is/are allowed.
- 6) ☒ Claim(s) 12-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Allowable Subject Matter

1. Claims 1, 2, 5-7 and 10-11 are allowed.

Reasons for allowance

2. The following is an examiner's statement of reasons for allowance:

Regarding claims 1 and 6, the reference of Chanteau teaches the method of transmitting signals called return signals from a signals distribution network (see fig. 1) comprising an antenna (see fig. 1, antennas 1-3) system that is capable of transmitting return signals to a satellite in a first frequency band based on signals received from the network (see page 1, 1-6). However Chanteau and the prior art of record fail to teach or suggest, the second frequency band which lies in the upper part of the television frequency band used in the network and which method signals comprising, inter alia, data for the frequency management of the return signals are received in a channel called downstream channel intended to serve a plurality of user receivers, characterized in that: the return signals are transmitted through the network from a user receiver with a frequency lying below the television frequency band used in the network, these return signals are subjected to a frequency translation on the output of the network to the antenna system, so that they are delivered to the antenna system with a frequency lying in the second frequency band, and - the frequency management data received in the downstream channel are used during said frequency translation to select the frequency to be produced in the second frequency band, and the characterized in that the signals representing the orders are coded in the form known as I square C (I^2C) and for receiving, modulating and transmitting to the network

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signals that represent the management data, which are brought thereto in the form of I square C (I^2C) data.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 12-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Levan (U.S. Patent No. 5,956,346) in view of Mizutani (U.S. pub. No. 20030043771).

Regarding claim 12, Levan teaches the unit intended to serve as an interface between a signals distribution network and a user receiver (see fig. 5), comprising means for receiving downstream channel signals and frequency management data from the network and delivering them to the user receiver (see col. 4, lines 17-37), and for transmitting return signals from the user receiver to the network of which return signals the frequency lies below the television frequency band used in the network and frequency management data (see col. 2, lines 48-57). But Levan fails to teach for receiving modulating and transmitting to the network signals that represent the transmitting to the network signals that represent the management data which are brought thereto in the form of I square C data.

However, Mizutani for receiving modulating and transmitting to the network signals that represent the transmitting to the network signals that represent the management data which are

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brought thereto in the form of USB data (see figs. 1-4, and pages 1-2, and sessions [0004, session [0014-0016], page 4, session [0047] and page 5, session [0050])).

Therefore, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify Levan system and by providing of the teaching of Mizutani on the USB bus and USB protocol signal thereto in order to provide user to connected to the USB interface of a peripheral easier.

Regarding claim 13 Levan teaches the frequency translation (see figs. 1 and 2 Up converter 103A-C and Down Converter 112 and 115) unit intended to serve as an interface between a network and an antenna system (see figs. 1-2), including means for receiving return signals whose frequency lies below the television frequency band used in the network (see col. 3, lines 20-24, and col. 3, lines 43-57), for subjecting these return signals to a frequency translation that brings them to a second frequency band situated high up in the television frequency band used in the network (see fig. 1, col. 3, lines 20-24 and fig. 3, col. 3, lines 50-65), and for delivering these return signals, after translation (see col. 3, lines 61-65), to the antenna system to be transmitted by this system (see fig. 3, col. 3, lines 61-65). But Levan fails to teach for receiving and demodulating I square C data.

However, Mizutani teaches for receiving and receiving and demodulating I square C data (USB data), (see figs. 1-4, page 4, session [0047] and page 5, session [0050] and page 7, session [0088]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify Levan system and by providing of the teaching of Mizutani on the

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USB bus and USB protocol signal thereto in order to provide user to connected to the USB interface of a peripheral easier.

Response to Arguments

5. Applicant's arguments with respect to claims 12-13 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703) 872-9314, (for Technology Center 2600 only)


*Hand-delivered responses should be brought to Crystal Park II,
2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).*

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan Trinh whose telephone number is (703) 305-5622. The examiner can normally be reached on Monday-Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung, can be reached at (703) 308-7745.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the **Technology Center 2600 Customer Service Office** whose telephone number is **(703) 306-0377**.

Tan H. Trinh
Art Unit 2684
April 22, 2004


NICK CORSARO
PATENT EXAMINER